

### **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

**1 (currently amended).** A non-asphaltic underlayment comprising a glass fiber-based substrate in which at least one surface thereof comprises a coated laminate or a breathable thermoplastic film having a minimum thickness of 2 mils, the breathable thermoplastic film selected from the group consisting of a polyurethane based thermoplastic film, an ethylene-methacrylate or ethylene acrylic acid based thermoplastic film, a micro-porous polyolefinic thermoplastic film, a micro-porous polyester thermoplastic film and combinations or multilayers thereof, said breathable thermoplastic film imparts water-resistance to the substrate while maintaining breathability thereof, the breathable thermoplastic film or coated laminate having a minimum moisture vapor transmission rate of ~~3 perms or greater~~ greater than 20g/m<sup>2</sup>/day but less than 500 g/m<sup>2</sup>/day.

**2 (original).** The non-asphaltic underlayment of Claim 1 wherein the breathable thermoplastic film is located on one surface of the substrate.

**3 (original).** The non-asphaltic underlayment of Claim 1 wherein the breathable thermoplastic film is located on both surfaces of the substrate.

**4 (currently amended).** The non-asphaltic underlayment of Claim 1 wherein the substrate is a woven or non-woven ~~reinforcement thermoplastic polymeric material, an inorganic felt material, or an organic felt material.~~

**5 (currently amended).** The non-asphaltic underlayment of Claim 4 wherein the substrate is a non-woven glass fiber-based substrate.

**6 (cancel).**

**7 (cancel).**

**8 (cancel).**

**9 (original).** The non-asphaltic underlayment of Claim 1 wherein the substrate has a thickness from about 5 to about 60 mils.

**10 (original).** The non-asphaltic underlayment of Claim 1 wherein the breathable thermoplastic film is a polyurethane based thermoplastic.

**11 (original).** The non-asphaltic underlayment of Claim 1 wherein the breathable thermoplastic film is an ethylene-methacrylate copolymer based thermoplastic.

**12 (original).** The non-asphaltic underlayment of Claim 1 wherein the breathable thermoplastic film has a thickness from about 0.5 to about 10 mils.

**13 (original).** The non-asphaltic underlayment of Claim 1 further comprising a tie layer located between the substrate and the breathable thermoplastic film.

**14 (original).** The non-asphaltic underlayment of Claim 13 wherein the tie layer is selected from the group consisting of a polyamide, an ethylene copolymer, wood rosin and its derivatives, a hydrocarbon resin, a polyterpene resin, atactic polypropylene and amorphous polypropylene.

**15 (original).** The non-asphaltic underlayment of Claim 13 wherein the tie layer is ethyl methyl acrylate (EMA) having a methyl acrylate level of about 18 % or greater.

**16 (original).** The non-asphaltic underlayment of Claim 1 further comprising a water repellent material, an algaecide, an herbicide, an antifungal material, a surface friction agent, a flame retardant, or a coloring dye.

**17 (original).** The non-asphaltic underlayment of claim 1 wherein the underlayment is a base sheet of a peel and stick roofing product.

**18 (previously presented).** A non-asphaltic underlayment comprising a substantially non-water-resistant polypropylene substrate in which at least a top surface thereof comprises a polyurethane based breathable thermoplastic film disposed thereon, said polyurethane based thermoplastic film imparts water-resistance to the substrate while maintaining breathability of the substrate, the breathable thermoplastic film having a minimum moisture vapor transmission rate of 3 perms or greater..

**19 (withdrawn).** A method of manufacturing a non-asphaltic underlayment comprising applying a breathable thermoplastic film selected from the group consisting of a polyurethane based thermoplastic film, an ethylene-methacrylate or ethylene acrylic acid based thermoplastic film, a micro-porous polyolefinic thermoplastic film, a micro-porous polyester thermoplastic film and combinations or multilayers thereof to at least one surface layer of a substrate, said breathable thermoplastic film imparts water-resistance to the substrate while maintaining the breathability of the substrate.

**20 (withdrawn).** The method of Claim 19 wherein the applying includes die extrusion, air spraying, dip coating, knife coating, roll coating or a film application.

**21 (withdrawn).** The method of Claim 19 wherein the applying comprises lamination.

**22 (withdrawn).** The method of Claim 19 wherein the applying comprises chemical bonding, mechanical bonding, thermal bonding or any combination thereof.

**23 (withdrawn).** A roofing system comprising a non-asphaltic, breathable underlayment and one or more shingles laid-up on an uppermost layer of the underlayment, said underlayment comprising a woven or non-woven substrate in which at least one surface thereof comprises a breathable thermoplastic film selected from the group consisting of a polyurethane based thermoplastic film, an ethylene-methacrylate or ethylene acrylic acid based thermoplastic film, a micro-porous polyolefinic thermoplastic film, a micro-porous polyester thermoplastic film and combinations or multilayers thereof disposed thereon, said breathable thermoplastic film imparts water-resistance to the substrate without negatively impacting breathability of the substrate.

**24 (withdrawn).** A roofing system comprising a non-asphaltic, breathable underlayment and one or more shingles laid-up on an uppermost layer of the underlayment, said underlayment comprising a woven or non-woven substrate in which at least one surface thereof comprises a polyurethane based thermoplastic film, disposed thereon, said polyurethane thermoplastic film imparts water-resistance to the substrate while maintaining breathability as defined in ASTM E96 standard.

**25 (withdrawn).** The roofing system of Claim 24 wherein the one or more shingles include asphalt-containing single or multi-ply shingles.

**26 (withdrawn).** A breathable and yet water-resistant coating selected from the group consisting of a polyurethane based thermoplastic film, an ethylene-methacrylate or ethylene acrylic acid based thermoplastic film, a micro-porous polyolefinic thermoplastic film, a micro-porous polyester thermoplastic film and combinations or multilayers thereof over a woven or a non-woven substrate.

**27 (withdrawn).** The breathable and yet water-resistant coating of Claim 26 wherein said underlayment forms a seal around any penetrations.

**28 (withdrawn).** The breathable and yet water-resistant coating of Claim 27 wherein said penetrations are the result of securing means.

**29 (withdrawn).** The breathable and yet water-resistant coating of Claim 28 wherein said securing means comprise nails, staples or combinations thereof